

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094772 A2

(51) International Patent Classification⁷: **A61K 7/42**
(21) International Application Number:
PCT/EP2005/051325
(22) International Filing Date: 23 March 2005 (23.03.2005)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
04101375.6 2 April 2004 (02.04.2004) EP

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **CIBA SPECIALTY CHEMICALS HOLDING INC.** [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **BASCHONG, Werner** [CH/CH]; Sommergasse 35, CH-4056 Basel (CH).

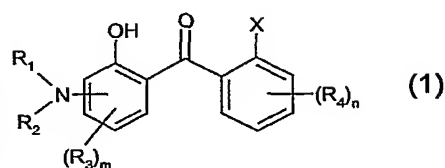
Published:

— *without international search report and to be republished upon receipt of that report*

(74) Common Representative: **CIBA SPECIALTY CHEMICALS HOLDING INC.**; Patent Department, Klybeckstrasse 141, CH-4057 Basel (CH).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF UV FILTERS FOR PREVENTING TANNING



(57) Abstract: Described is the use of organic UV filters of formula (1), wherein R₁ and R₂, independently from each other are hydrogen, C₁-C₂₀alkyl, C₂-C₁₀alkenyl, C₃-C₁₀cycloalkyl, C₃-C₁₀cycloalkenyl, or R₁ and R₂ together with the nitrogen atom to which they are bonded can form a 5- or 6-membered ring; R₃ and R₄, independently from each other are C₁-C₂₀alkyl, C₂-C₁₀alkenyl, C₃-C₁₀-cycloalkyl, C₃-C₁₀cycloalkenyl, C₁-C₁₂alkoxy, C₁-C₂₀alkoxycarbonyl, C₁-C₁₂alkylamino, C₁-C₁₂dialkylamino, aryl, heteroaryl, optionally substituted, substituents which confer solubility in water, chosen from the group consisting of a nitrile group, carboxylate, sulfonate or ammonium radicals; X is hydrogen, COOR₅, CONR₆R₇; R₅, R₆ and R₇, independently from each other are hydrogen, C₁-C₂₀alkyl, (C)₂-C₁₀alkenyl, C₃-C₁₀cycloalkyl, C₃-C₁₀cycloalkenyl, (Y-O)₆-Z-aryl; Y is -(CH₂)₂-, -(CH₂)₃-, -(CH₂)₄-, -CH(CH₃)-CH₂-; Z is -CH₂-CH₃-, -CH₂-CH₂-CH₃-, -CH₂-CH₂-CH₂-CH₃-, -CH(CH₃)-CH₃-; m is from 0 to 3; n is from 0 to 4; o is from 1 to 20; for preventing tanning human skin, and their use in cosmetic and pharmaceutical formulations.